

IN THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A sub-miniature arc lamp comprising:

a sapphire body having a first end and a second end, the first end being coupled to a first cap and the second end being coupled to a second cap to define a sealed envelope;

a first electrode comprising a first rod having a first end and a second end, the first end being mounted in the first cap, the first electrode further defining a ridge near the second end; [[and]]

a second electrode comprising a second rod having a first end and a second end, the first end of the second rod being mounted in the second cap;

a first set of one or more getters, each of the one or more getters comprising a disc having a cavity defined substantially at a center of the disc and the first rod of the first electrode passing through the cavity such that the getter is mounted on the first rod between the first and the second ends of the first rod; and

a retainer ring mounted at the ridge near the second end of the first electrode to hold the one or more getters in place.

2. (Canceled).
3. (Currently amended) The sub-miniature arc lamp of claim [[2]] 1, wherein the first set of one or more getters ~~include~~ includes one or more mercury-dispensing getters.
4. (Currently amended) The sub-miniature arc lamp of claim 1, further comprising a second set of one or more getters being mounted along the second electrode, each of the one or more getters comprising a disc having a cavity defined substantially at a center of the disc and the second rod of the second electrode passing through the cavity such that the getter is mounted on the second rod between the first and the second ends of the second rod.
5. (Currently amended) The sub-miniature arc lamp of claim 4, wherein the second set of one or more getters include one or more mercury-dispensing getters.
6. (Original) The sub-miniature arc lamp of claim 1, further comprising an airtight housing substantially surrounding the sapphire body.

7. (Original) The sub-miniature arc lamp of claim 6, wherein the airtight housing contains an inert gas.
8. (Original) The sub-miniature arc lamp of claim 1, wherein the sapphire body is a sapphire tube.
9. (Currently amended) The sub-miniature arc lamp of claim 1, wherein the first electrode is ~~an anode~~ a cathode and the second electrode is an anode ~~a cathode~~.
10. (Currently amended) A sub-miniature arc lamp comprising:
a sapphire body having a first end and a second end, the first end being coupled to a first cap and the second end being coupled to a second cap to define a sealed envelope, wherein the sapphire body is substantially surrounded by an airtight housing filled with an inert gas;
a first electrode comprising a first rod having a first end and a second end, the first end being mounted in the first cap and the second end remains substantially freestanding, the first electrode further defining a ridge near the second end;
a second electrode comprising a second rod having a first end and a second end, the first end of the second electrode being mounted in the second

cap and the second end of the second rod remains substantially freestanding;

[[and]]

one or more getters being mounted along the first electrode, each of the one or more getters comprising a disc having a cavity defined substantially at a center of the disc; and

a retainer ring mounted at the ridge near the second end of the first electrode to hold the one or more getters in place.

11. (Original) The sub-miniature arc lamp of claim 10, wherein the one or more getters include one or more mercury-dispensing getters.

12. (Original) The sub-miniature arc lamp of claim 10, further comprising one or more getters being mounted along the second electrode.

13. (Original) The sub-miniature arc lamp of claim 12, wherein the one or more getters include one or more mercury-dispensing getters.

14. (Original) The sub-miniature arc lamp of claim 10, wherein the sapphire body is a sapphire tube.

15-22. (Canceled).

23. (New) A sub-miniature arc lamp comprising:

- an airtight housing having a first end and a second end, the airtight housing filled with a first inert gas;
- a seal coupled to the second end of the airtight housing;
- a glass window coupled to the first end of the airtight housing via a window seal, the glass window defining an opening substantially at a center of the glass window;
- an anode socket connection coupled to the glass window through the opening, the anode socket connection including a cylindrical portion housed within the housing, the cylindrical portion defining a cavity;
- a spring housed within the cavity of the cylindrical portion of the anode socket;
- a sapphire body having a top and a bottom, the sapphire body housed within the airtight housing, the sapphire body filled with a second inert gas, the bottom coupled to an inner side of the seal at the second end of the airtight housing, and the top coupled to an open end of the cylindrical portion of the anode socket connection and the spring;
- a cathode mounted on the cathode end of the sapphire body;
- an anode mounted on the anode end of the sapphire body; and
- a plurality of getters mounted on the cathode.

24. (New) The sub-miniature arc lamp of claim 23, wherein the first inert gas is argon.

25. (New) The sub-miniature arc lamp of claim 23, wherein the plurality of getters comprise mercury-dispensing getters.